



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

06/28/2011

Sarah Stancato
Assistant District Attorney, Suffolk County

Dear ADA Stancato

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan , Daniela Frasca and Kate Corbett
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan and Daniela Frasca was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan and Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Annie Dookhan'.

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Daniela Frasca

Education

Boston University School of Medicine, Boston MA

Currently enrolled in the Biomedical Forensic Science MS Program

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 – present

Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 – 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness

Raman Spectroscopy

Associations and Programs

- Northeastern Association of Forensic Scientists (NEAFS) 2001 - present
- The International Association of Forensic Toxicologists (TIAFT) 2003 - present
- The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT) 2003 - present
- Massachusetts State Science Fair Judge 2000 - present
- Middle School State Science Fair Judge 2006 - present
- Volunteer Science Project Mentor/Tutor for the TTT Mentor Program 2003 - present

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 -- August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 -- August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

DRUG RECEIPT

CC #

BOOK #

PAGE #

DESTRUCTION #

District/Unit

Name & Rank of Arresting Officer

ID#

DEFENDANT'S NAME

ADDRESS

CITY

STATE

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBER

(crack) cocaine

1 cl/pb

1.63g

To be completed by ECU personnel only


Name and Rank of Submitting Officer

ID#

Received by

Date

ECU Control #


DRUG RECEIPTCC # 
BOOK # 75 66
PAGE # 115
DESTRUCTION # _____District/Unit E-18 DCU
Name & Rank of Arresting Officer Sgt. Weorley ID# 8195

DEFENDANT'S NAME

ADDRESS

CITY

STATE


MattapanMA

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITYGROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBERCRACK1 kg 1/135.85g**To be completed by ECU personnel only**Name and Rank of Submitting Officer Diana Lopez ID# 9370Received by ECU Date 12-1-10

ECU Control # _____

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 12/7/10

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 11/16/2010

No. Analyzed:

Gross Wt.: 1.63

Net Weight: 0.10

Tests: 6 ASD

2 KAC

Prelim: cocaine (10)

Findings: Cocaine

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. Diana Lopez
Def: [REDACTED]

Date Analyzed: 12-16-10

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 12/01/2010

No. Analyzed:

Gross Wt.: 5.85

Net Weight: 2.02g

Tests: 7

Prelim: (B) Cocaine

Findings: 2 ASD (B) Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ASJ

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
17.00

Gross Wt (): 0.1273

Gross Wt ():

Pkg. Wt:

Net Wt: 0.1084

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE 12-03-10

GC/MS CONFIRMATORY TEST

RESULTS Cocaine

MS
OPERATOR KAC

DATE 12-7-10

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston

ANALYST

DMB

PHYSICAL DESCRIPTION:

Ev. mark

Substance in 1 PB

Marg -

Gross wt: 2.1290g

Proed -

Net wt: 2.0246g

Meck -

Cobalt -, +Maad

Gold +

TLTA -, +Maad

PRELIMINARY TEST RESULTS

RESULTS

Cocaine

DATE

12/14/10

GC/MS CONFIRMATORY TEST

RESULTS

Cocaine

MS

OPERATOR

DMB

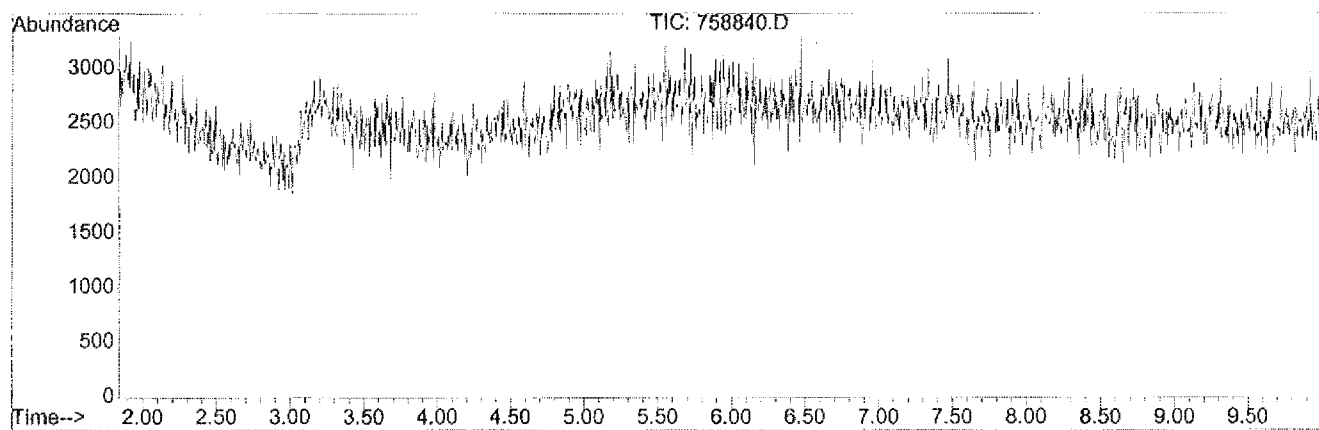
DATE

12/16/10

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758840.D
Operator : ASD/KAC
Date Acquired : 6 Dec 2010 22:41
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



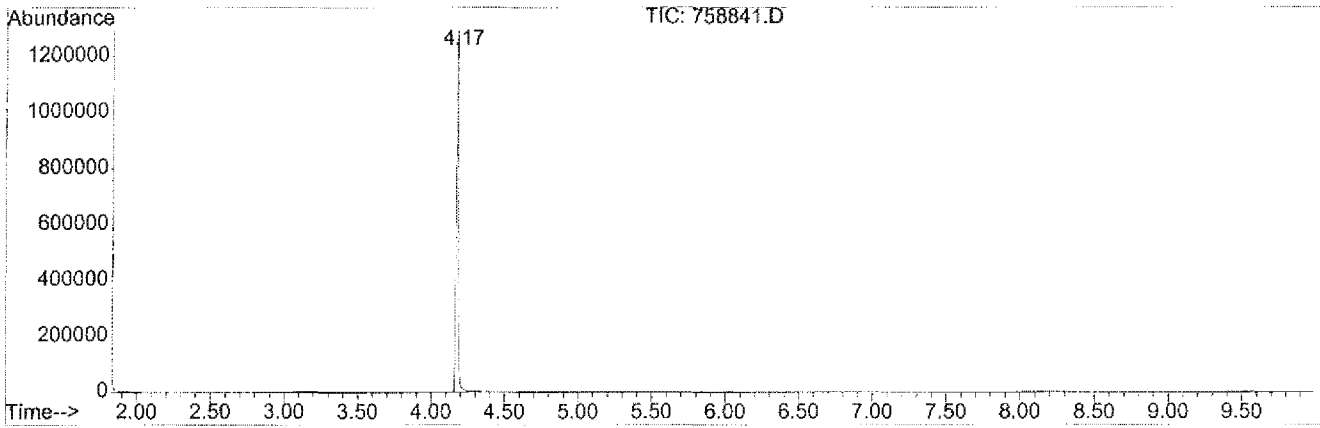
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758841.D
Operator : ASD/KAC
Date Acquired : 6 Dec 2010 22:54
Sample Name : COCAINE STD
Submitted by : ASD
Vial Number : 41
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.173	1393183	100.00	100.00

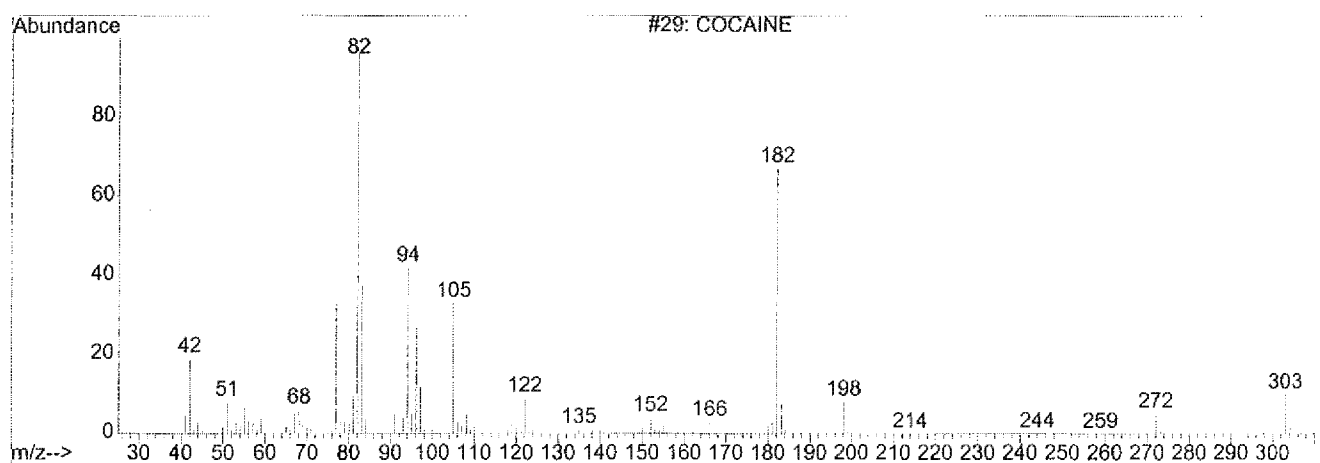
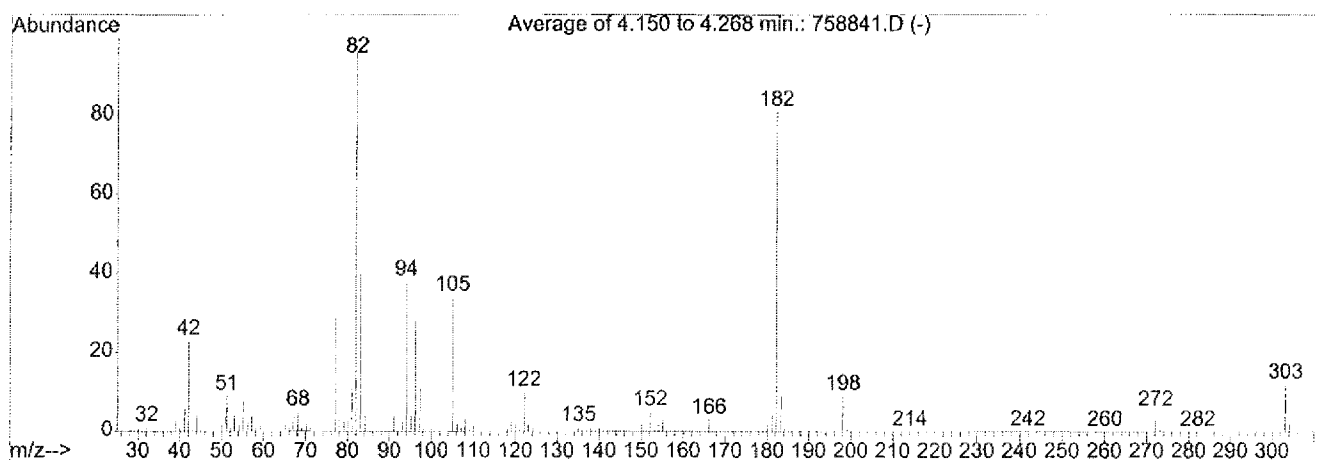
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758841.D
 Operator : ASD/KAC
 Date Acquired : 6 Dec 2010 22:54
 Sample Name : COCAINE STD
 Submitted by : ASD
 Vial Number : 41
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

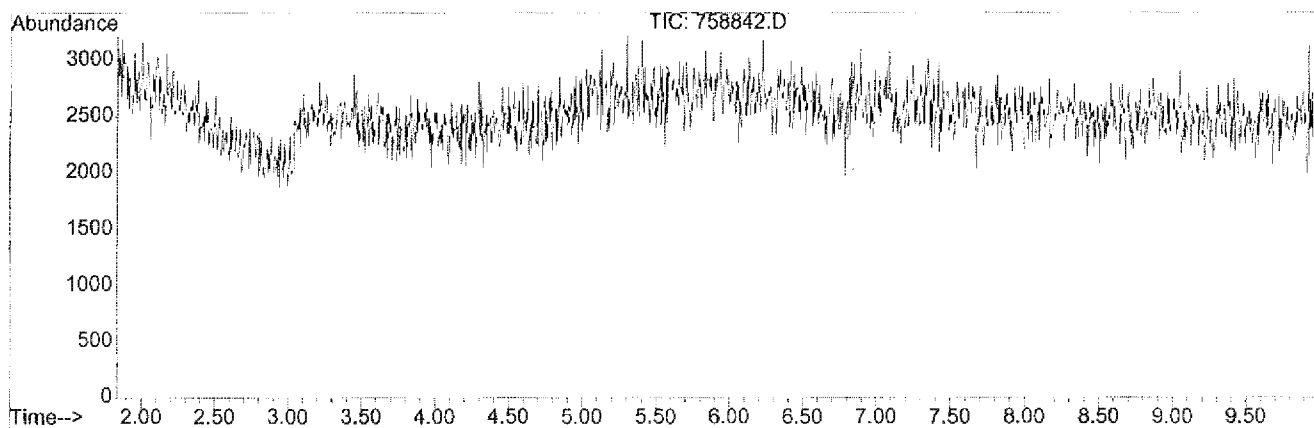
PK#	RT	Library/ID	CAS#	Qual
1	4.17	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758842.D
Operator : ASD/KAC
Date Acquired : 6 Dec 2010 23:07
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



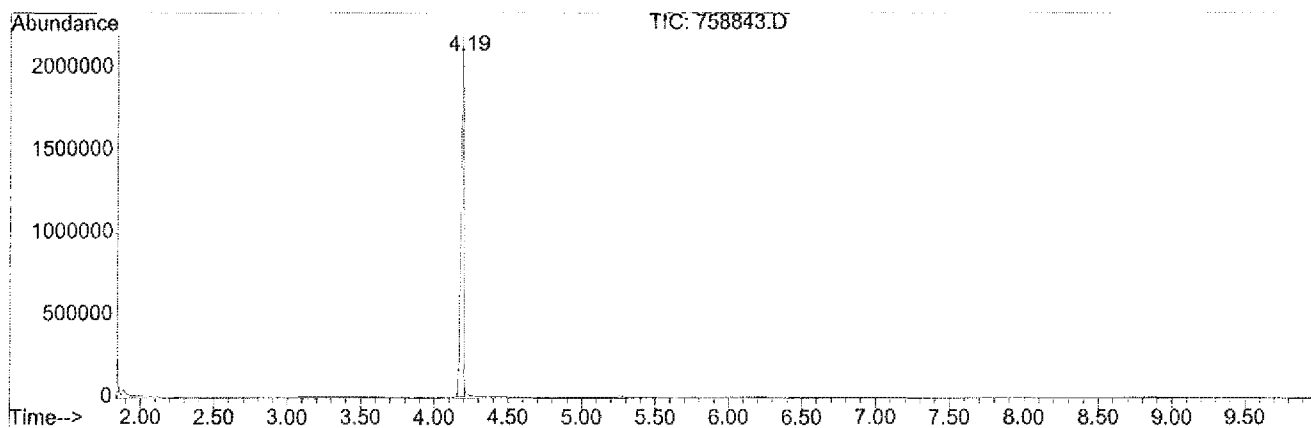
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758843.D
 Operator : ASD/KAC
 Date Acquired : 6 Dec 2010 23:21
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 43
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.185	2802730	100.00	100.00

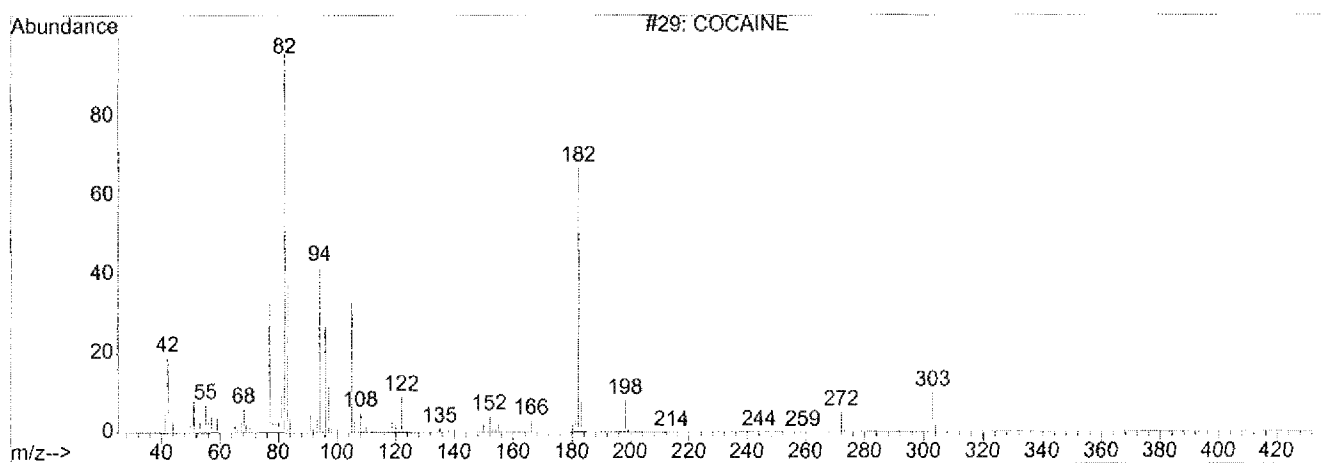
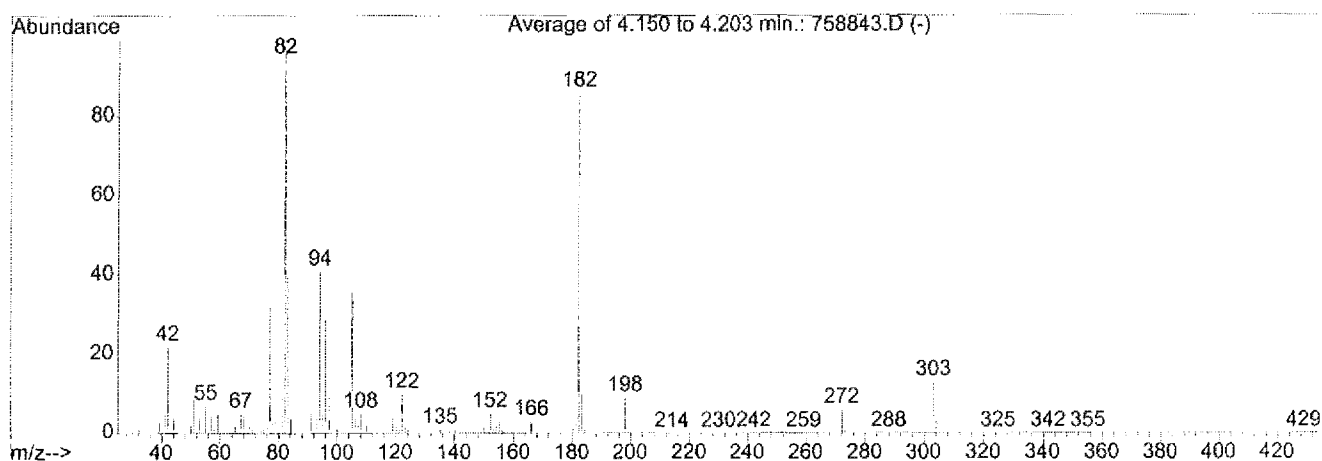
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758843.D
 Operator : ASD/KAC
 Date Acquired : 6 Dec 2010 23:21
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 43
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

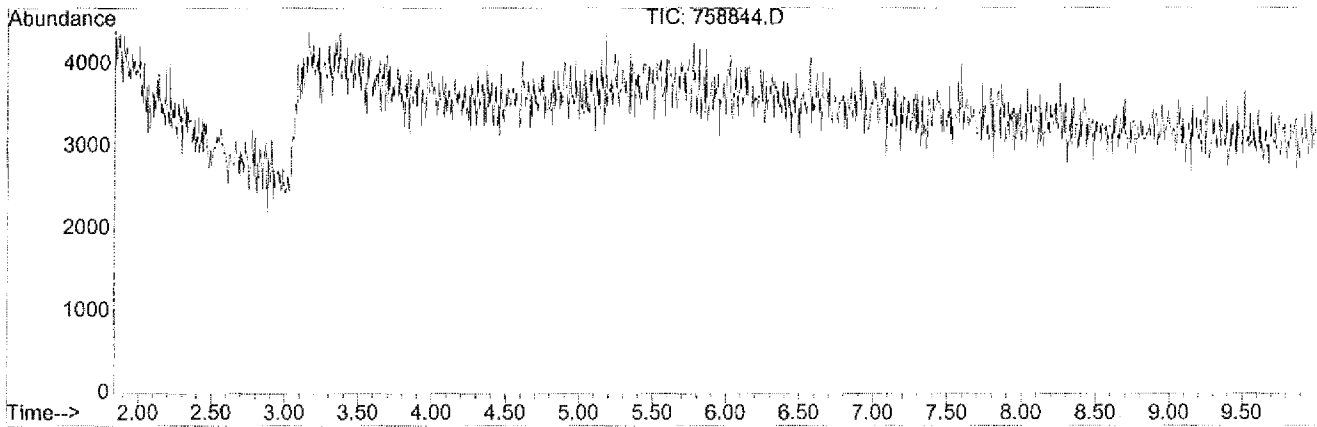
PK#	RT	Library/ID	CAS#	Qual
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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758844.D
Operator : ASD/KAC
Date Acquired : 6 Dec 2010 23:34
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



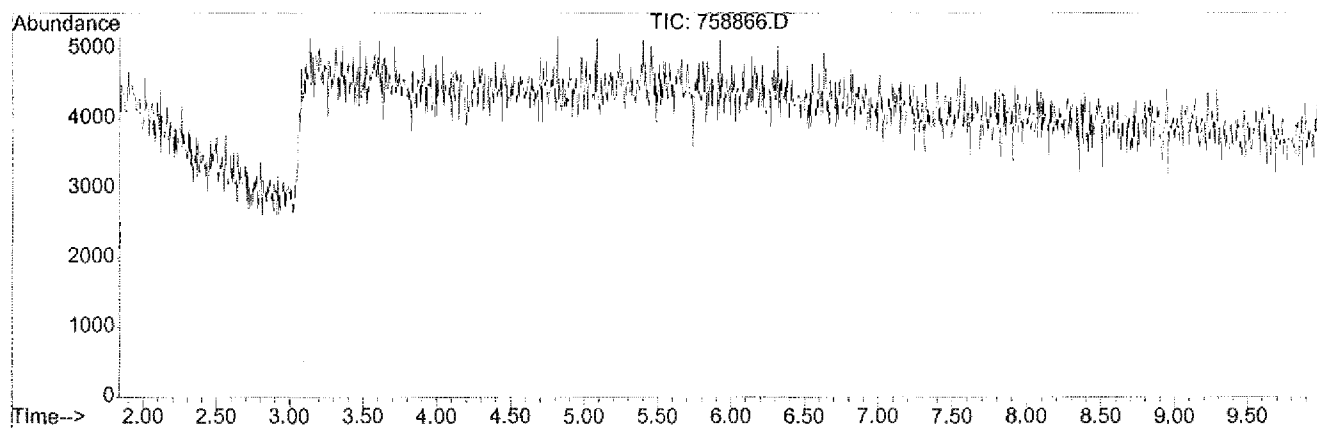
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758866.D
Operator : ASD/KAC
Date Acquired : 7 Dec 2010 4:24
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



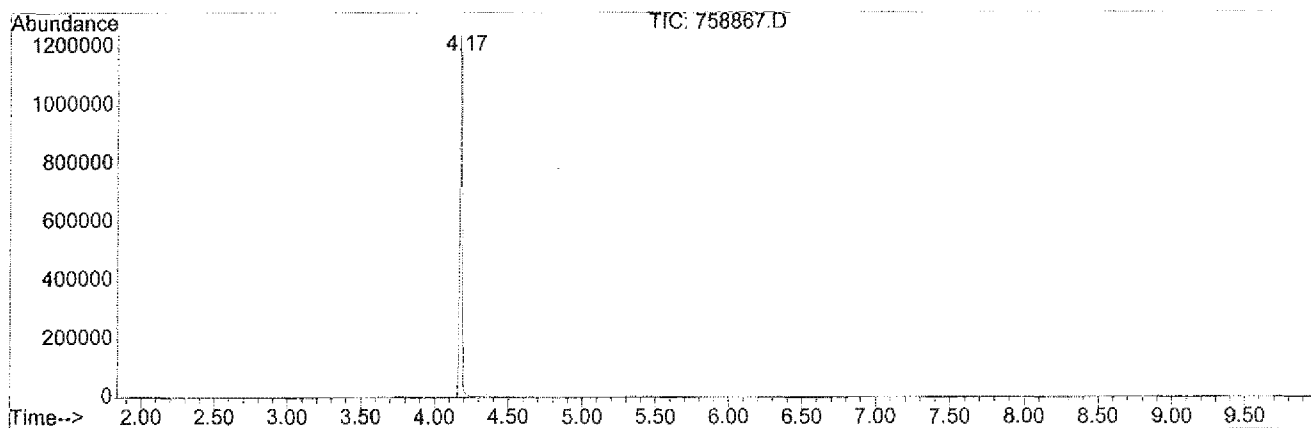
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758867.D
 Operator : ASD/KAC
 Date Acquired : 7 Dec 2010 4:37
 Sample Name : COCAINE STD
 Submitted by : ASD
 Vial Number : 41
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.173	1294086	100.00	100.00

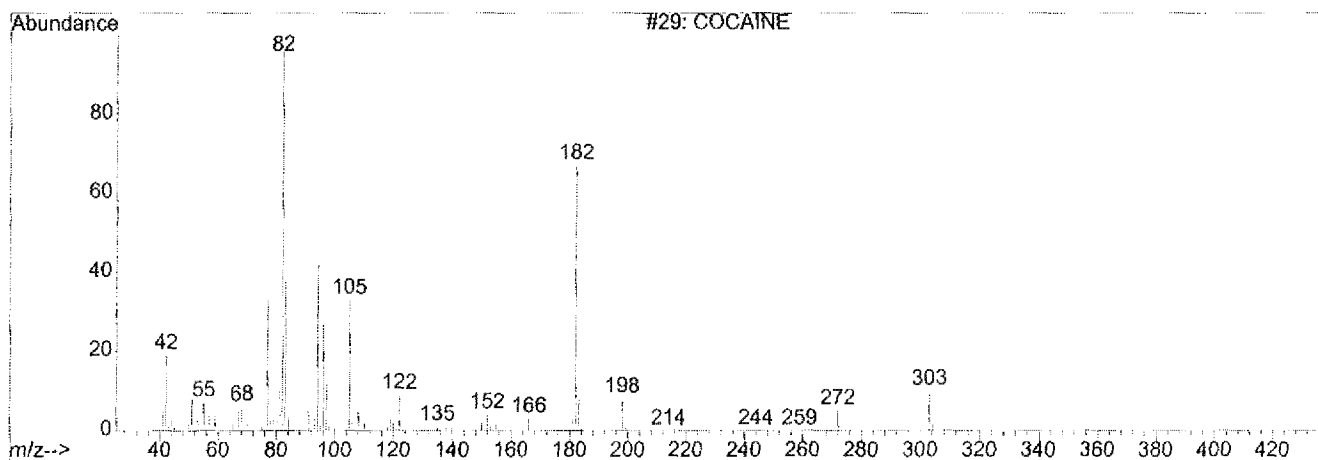
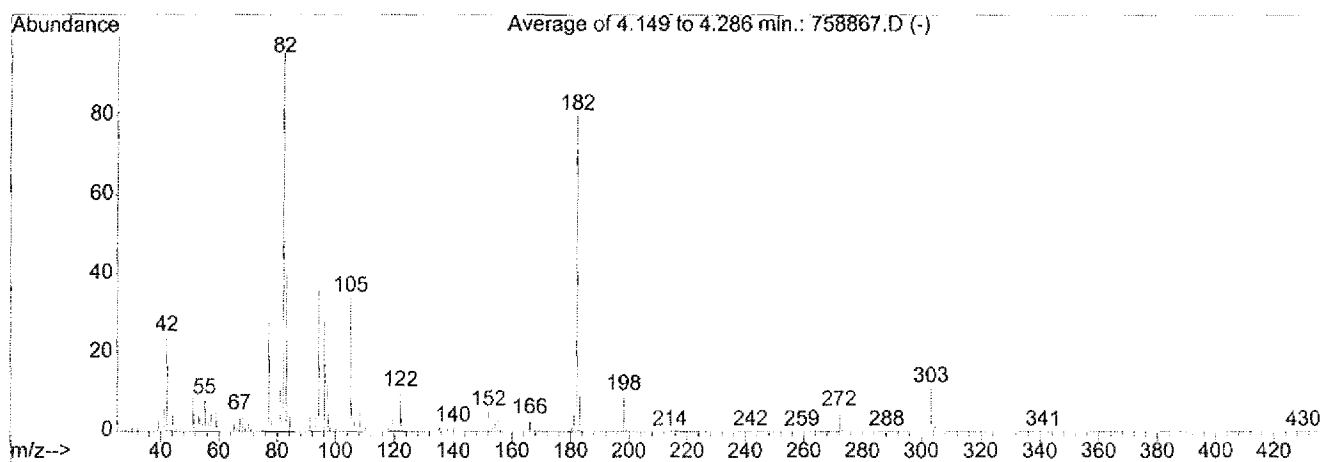
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758867.D
 Operator : ASD/KAC
 Date Acquired : 7 Dec 2010 4:37
 Sample Name : COCAINE STD
 Submitted by : ASD
 Vial Number : 41
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

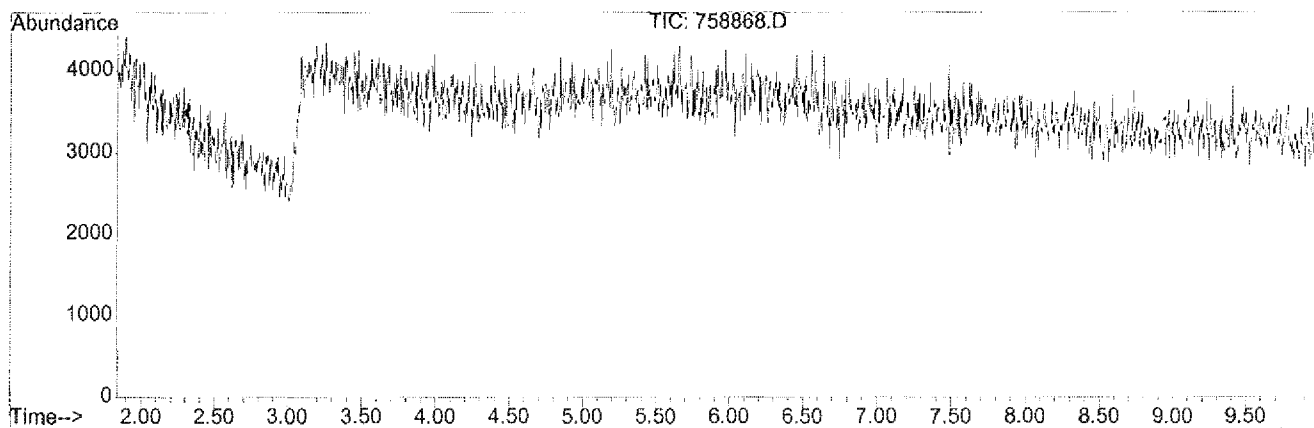
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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_06_10\758868.D
Operator : ASD/KAC
Date Acquired : 7 Dec 2010 4:50
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



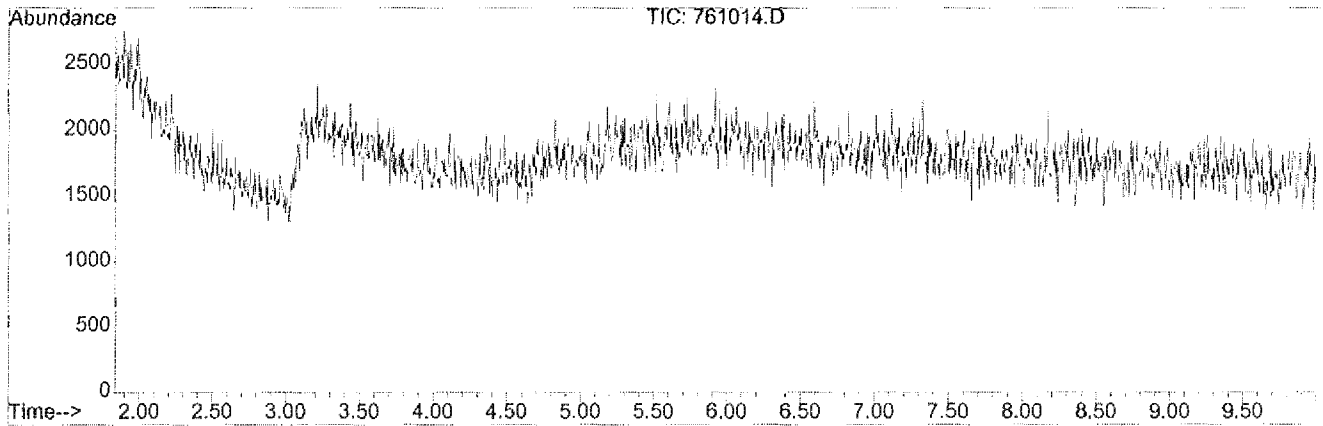
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761014.D
Operator : ASD
Date Acquired : 15 Dec 2010 14:49
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



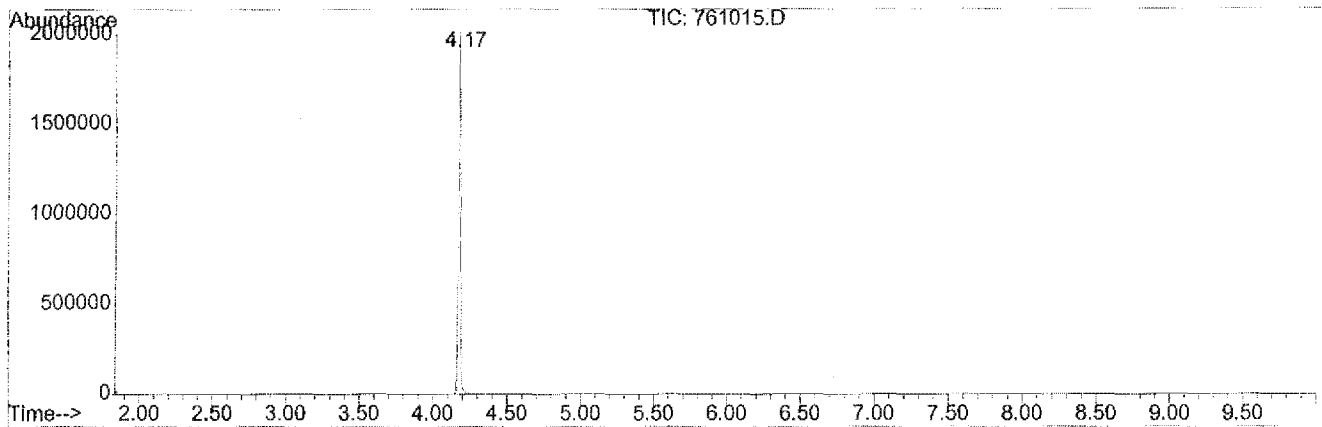
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761015.D
 Operator : ASD
 Date Acquired : 15 Dec 2010 15:03
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 15
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.173	1955780	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

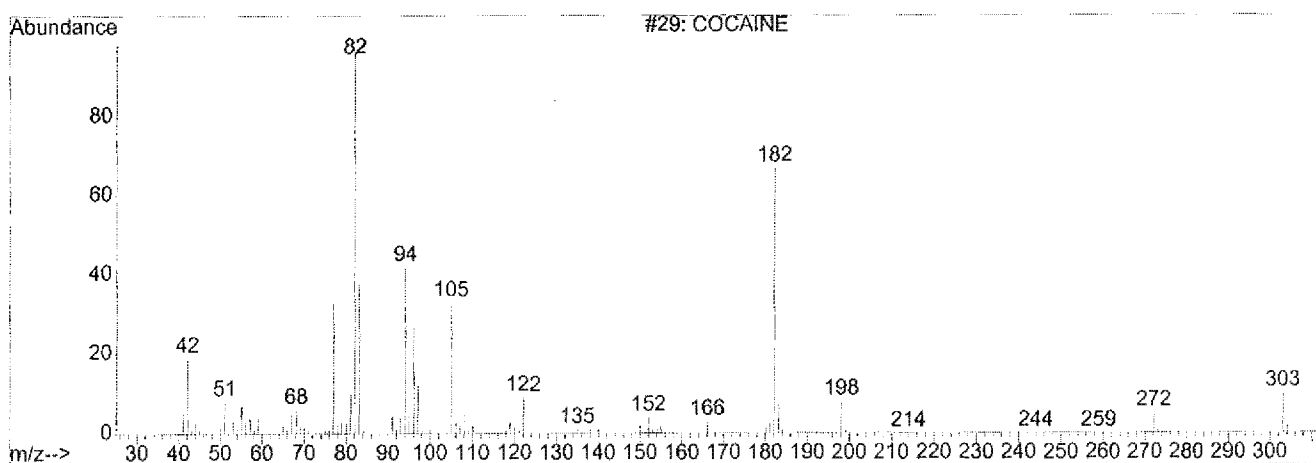
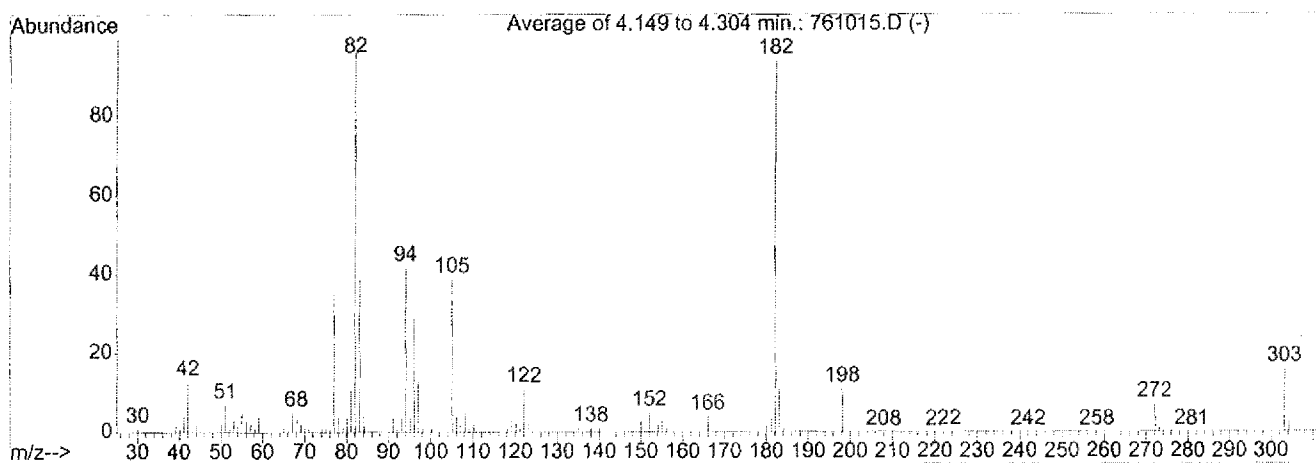
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File Name       : F:\Q4-2010\SYSTEM6\12_15_10\761015.D
Operator        : ASD
Date Acquired   : 15 Dec 2010  15:03
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 15
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

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Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

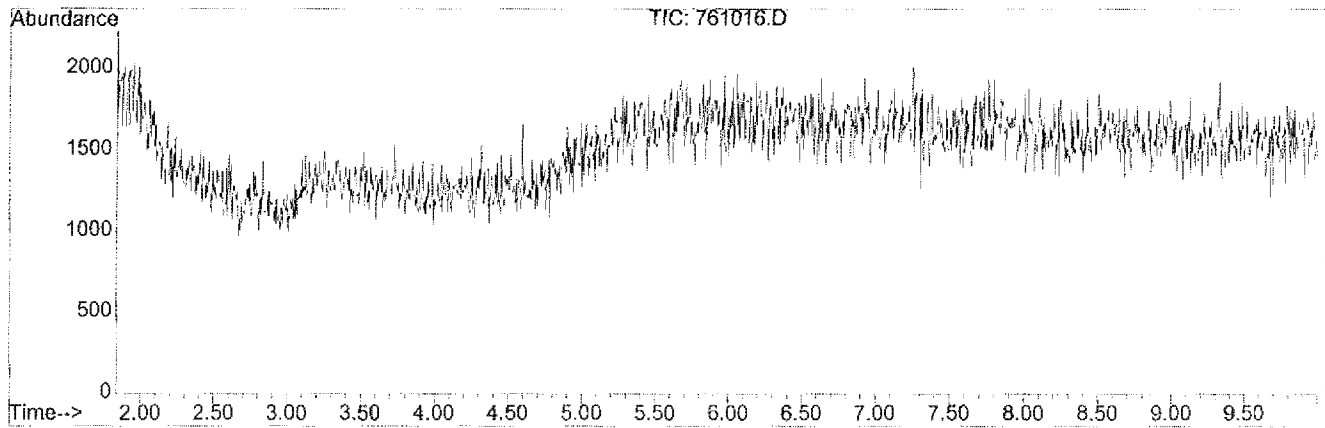
PK#	RT	Library/ID	CAS#	Qual
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Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761016.D
Operator : ASD
Date Acquired : 15 Dec 2010 15:16
Sample Name : BLANK
Submitted by : DXF
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



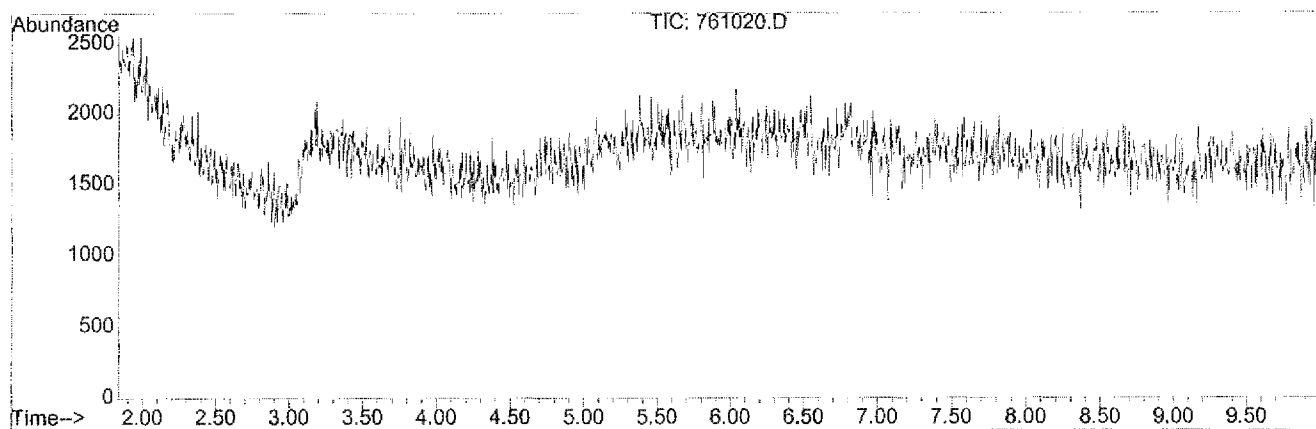
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761020.D
Operator : ASD
Date Acquired : 15 Dec 2010 16:08
Sample Name : BLANK
Submitted by : DXF
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



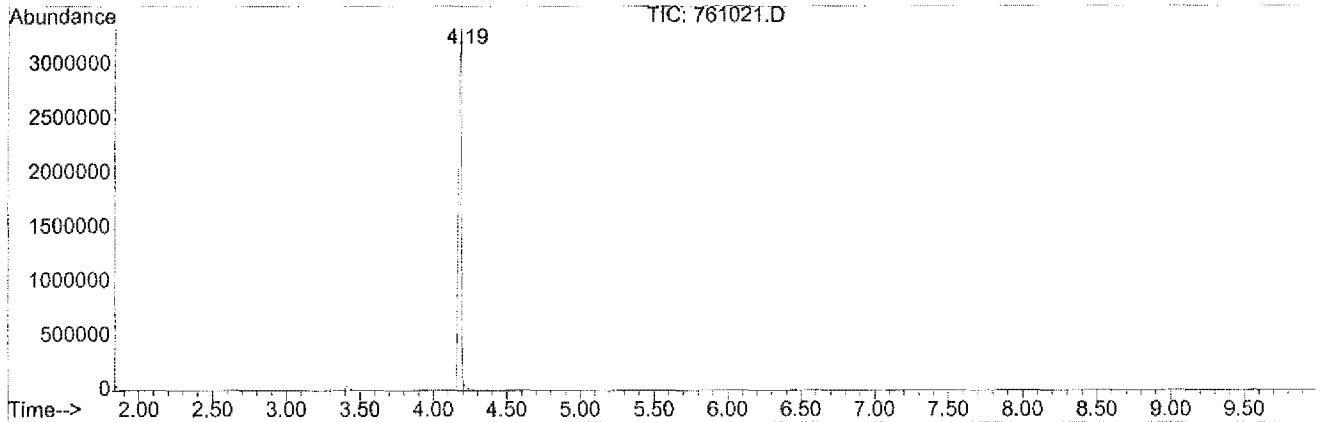
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761021.D
Operator : ASD
Date Acquired : 15 Dec 2010 16:22
Sample Name : XXXXXXXXXX
Submitted by : DXF
Vial Number : 21
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.185	4363802	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

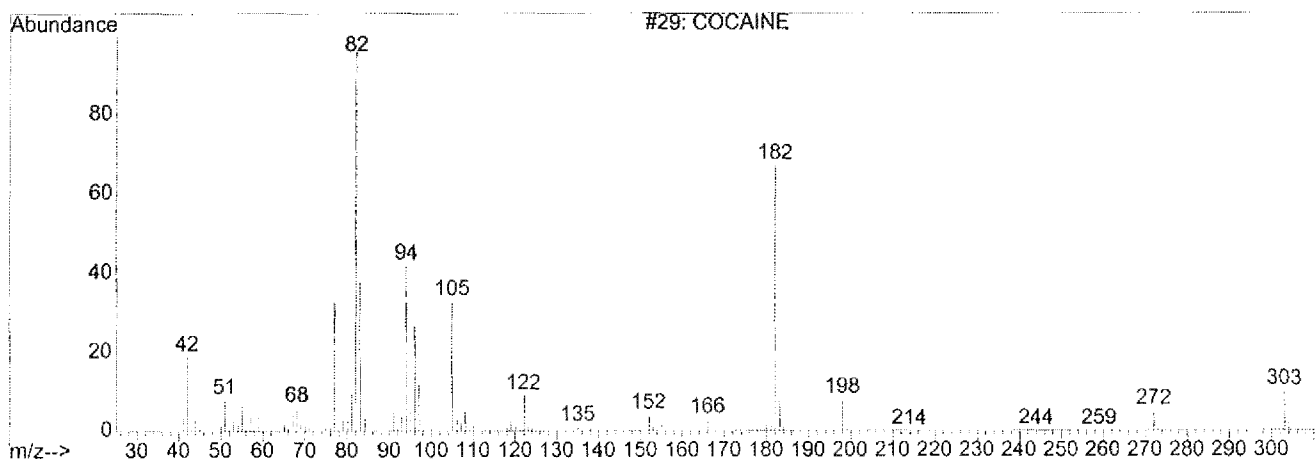
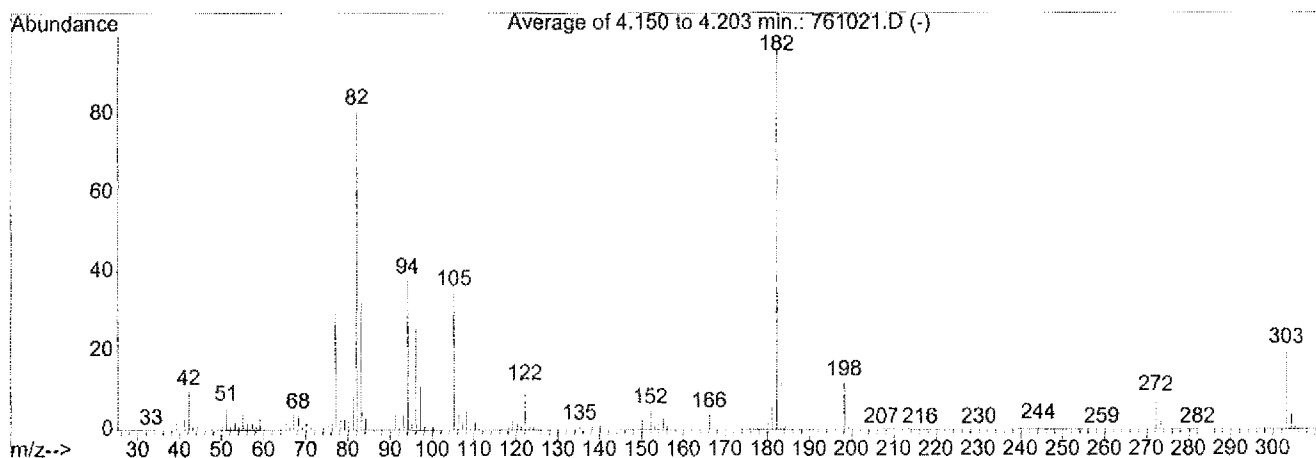
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File Name       : F:\Q4-2010\SYSTEM6\12_15_10\761021.D
Operator        : ASD
Date Acquired   : 15 Dec 2010  16:22
Sample Name     : ██████████
Submitted by    : DXF
Vial Number     : 21
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

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Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
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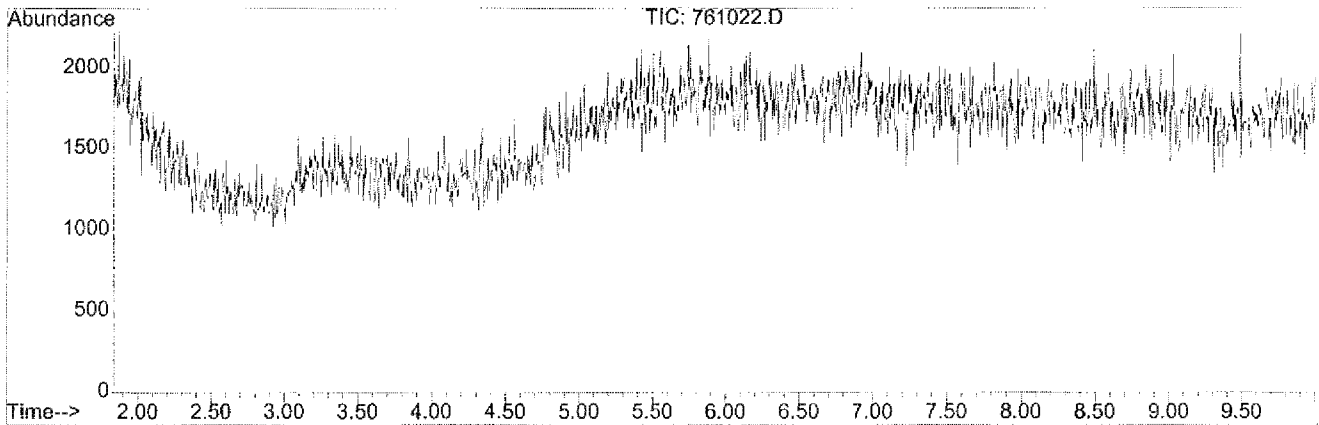
PK#	RT	Library/ID	CAS#	Qual
1	4.19	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761022.D
Operator : ASD
Date Acquired : 15 Dec 2010 16:35
Sample Name : BLANK
Submitted by : DXF
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



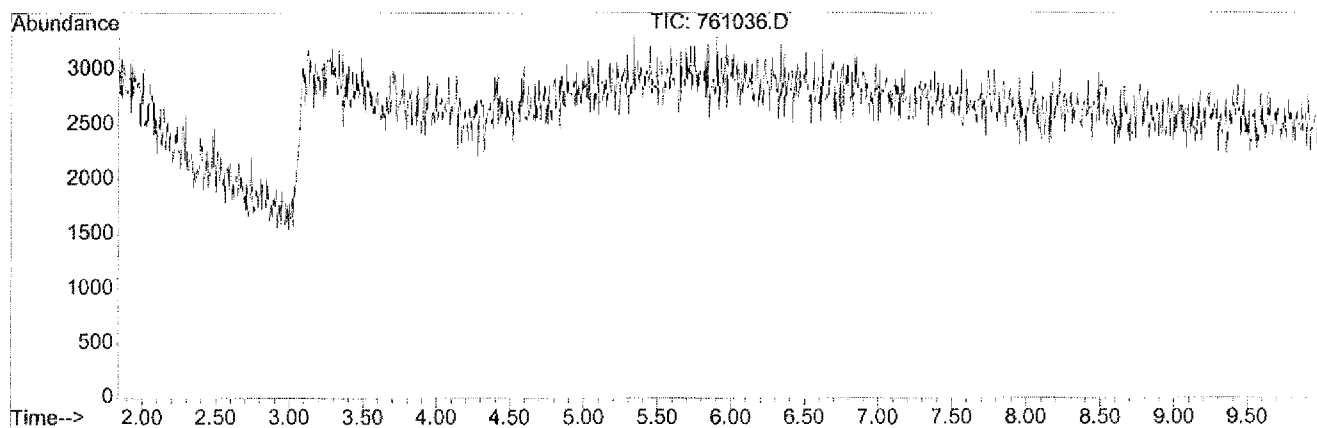
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761036.D
Operator : ASD
Date Acquired : 15 Dec 2010 19:38
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



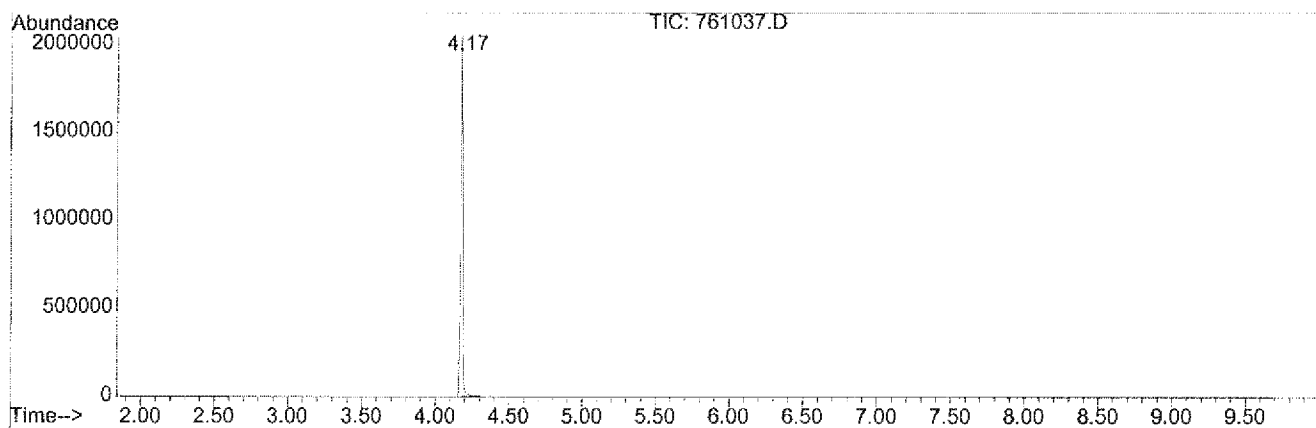
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761037.D
 Operator : ASD
 Date Acquired : 15 Dec 2010 19:51
 Sample Name : COCAINE STD
 Submitted by : DXF
 Vial Number : 15
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.173	1959635	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

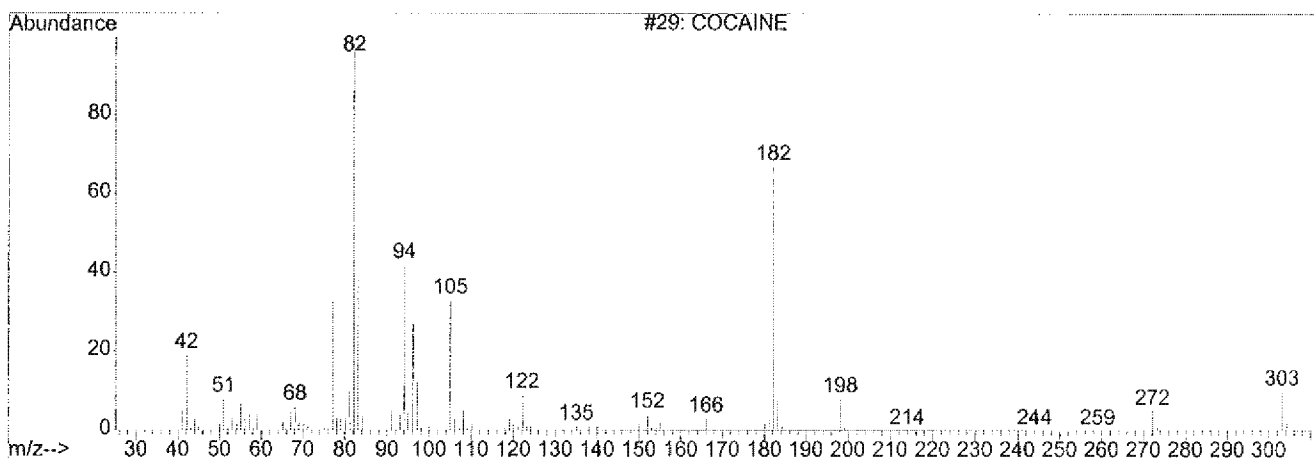
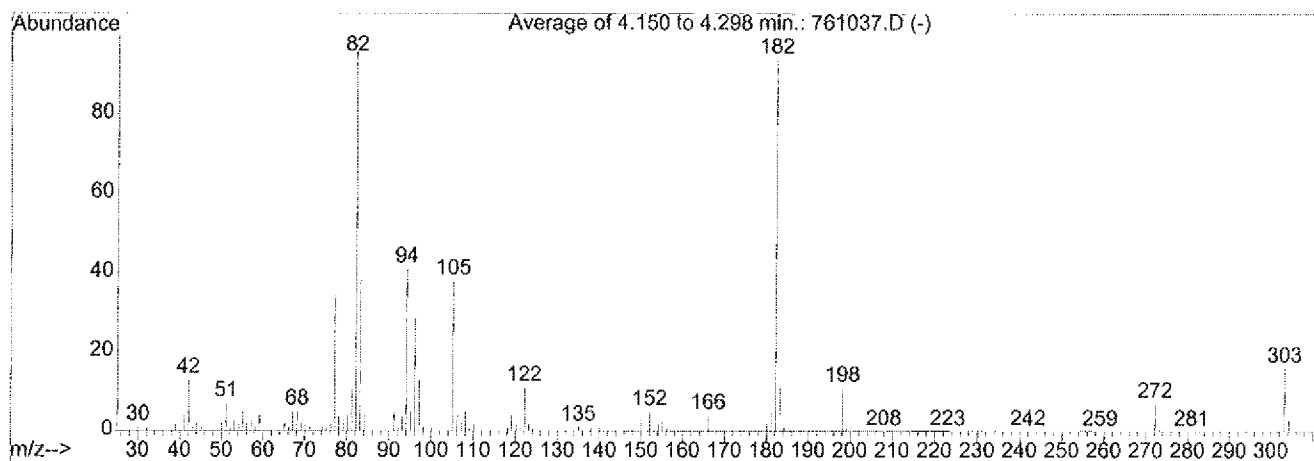
```

File Name       : F:\Q4-2010\SYSTEM6\12_15_10\761037.D
Operator        : ASD
Date Acquired   : 15 Dec 2010   19:51
Sample Name     : COCAINE STD
Submitted by    : DXF
Vial Number     : 15
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

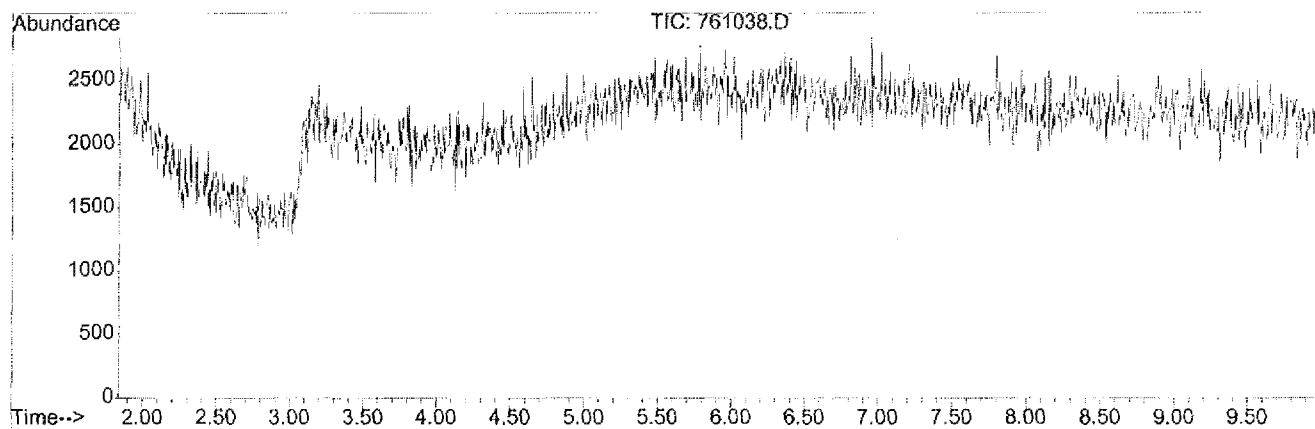
PK#	RT	Library/ID	CAS#	Qual
1	4.17	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q4-2010\SYSTEM6\12_15_10\761038.D
Operator : ASD
Date Acquired : 15 Dec 2010 20:04
Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS